Structural Analysis
Flock Safety

April 3, 2025

Site Name	NCDOT BREAKAWAY COUPLER POLE_SOLAR_1 PICARD
Client	Flock Safety
Site Location	North Carolina
Structure Type	Proveli Pole
Overall Result	**Pass**
Required Modification	-

Upon reviewing the results of this analysis, it is our opinion that the structure does meet the specified AASHTO code requirements. The proveli is therefore deemed adequate to support the existing and proposed loading as listed in this report.

N.C. DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
Date: 04/10/2025
Reviewed
Transportation Mobility and Safety Division

Digitally signed by Michael B Leeper
Date: 2025.04.03 17:55:26-07'00'

NORTH CAROLINA PROFESSIONAL SEAL 47119 ENGINEER MICHAEL B. LEEPER

4/3/2025

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Assumptions and Limitations

Our structural calculations are completed assuming all information provided to Trelos Engineering, Inc. is accurate and applicable to this site. For the purposes of calculations, we assume an overall structure condition of "like new" and all members and connections to be free of corrosion and/or structural defects. The structure owner and/or contractor shall verify the structure's condition prior to installation of any proposed equipment. If actual conditions differ from those described in this report Trelos Engineering, Inc. should be notified immediately to complete a revised evaluation.

Our evaluation is completed using standard TIA, AISC, ACI, AASHTO and ASCE methods and procedures. Our structural results are proprietary and should not be used by others as their own. Trelos Engineering, Inc. is not responsible for decisions made by others that are or are not based on our supplied assumptions and conclusions.